Joint Modeling & Simulation Capability Working Group

Supporting Transformation in Korea: Building A Training Capability

Worldwide Joint Training and Scheduling Conference

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Purpose

- To provide an update briefing on our support to transformation in Korea and the building of a training capability

Outline

- Background

- Problem Statement

- Recent History

- Training Analysis Gap Forum Issue

- Unified Architecture

- Way Ahead

Background

- SECDEF published USFK Transformation Guidance on 4 Jul 07

- JFCOM holds KORCOM M&S Futures Workshop in May 09 → Recommends a unified architecture

- JFCOM briefs OSD on front end analysis in attempt to secure resources beginning in FY10

- JFCOM briefs Joint Training Enterprise of KORCOM issue at WJTSC 09-2

Problem Statement

- **To meet KORCOM training requirements there is a requirement for a jointly accredited suite of constructive models**
  - **Capable of modeling entire Korean theater**
  - **Meets all theater and service training requirements, operational to tactical**
  - **Capable of fully interoperating with ROK simulations**
- **UNC-CFC-USFK M&S Requirements Doc, v9**
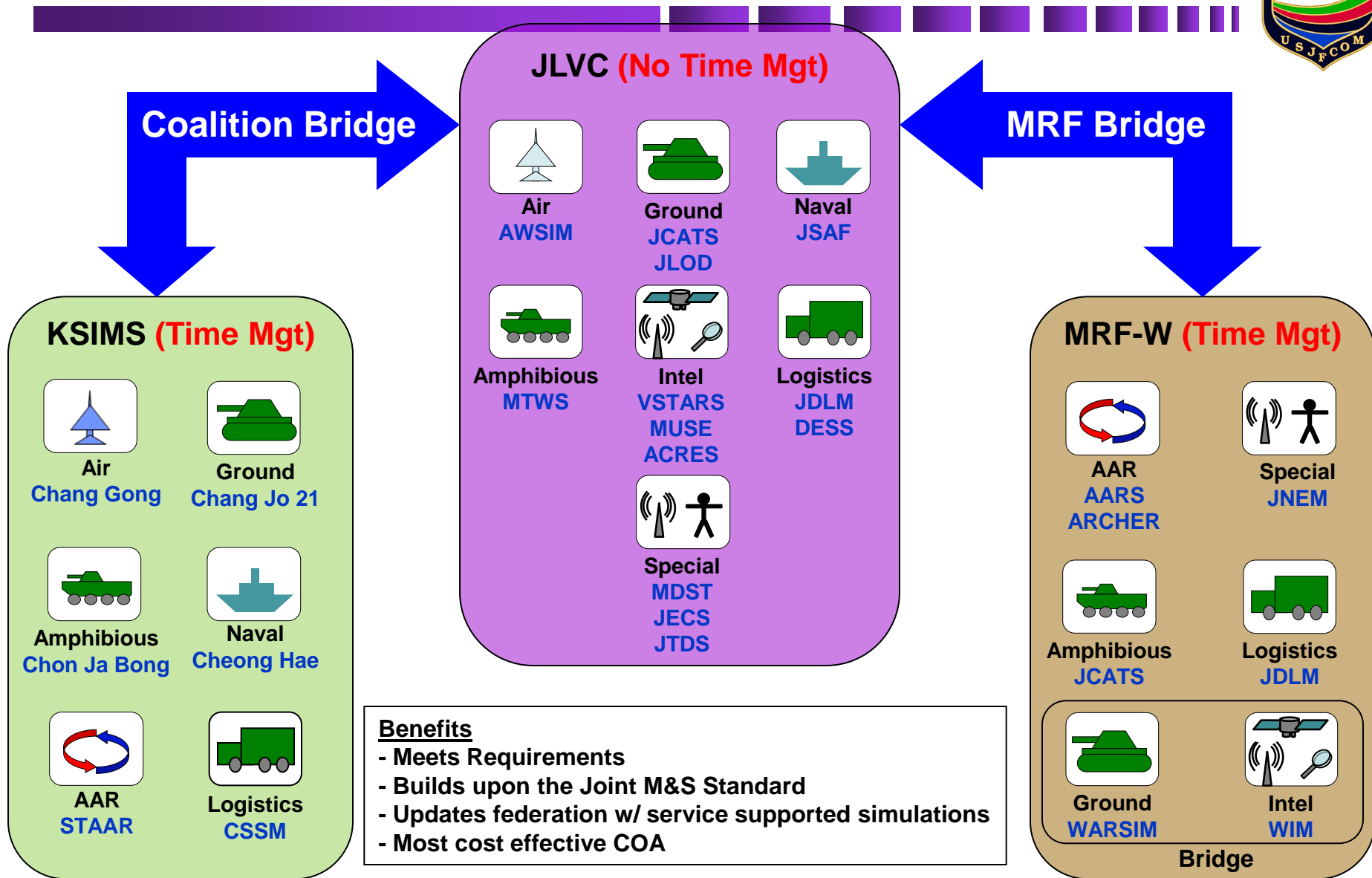- **FOC: TBD (FY13)**

Recent History

- OSD makes a technical correction to the Program Objective Memorandum and allocates funding from FY11 – FY15

- KORCOM issue formally nominated as a Training Gap Analysis Forum (TGAF) issue (February 2010)

- JFCOM observes USFK Key Resolve Exercise

- JFCOM holds technical conference with Army to better understand WARSIM and MRF-W capabilities (March 2010)

- JFCOM updates technical community on status (March 2010)

TGAF Issue

- USFK's current federation of models, including the overarching Joint Training Transformation Initiative + Korea (JTTI+K), is used only at USFK, no longer has Service or JWFC support and does not support the Live Virtual Constructive (LVC) environment.

- KORCOM requires a unique and updated Joint and Combined Training Environment in order to complete their transition by 2012.

- This new environment will meet coalition interoperability requirements, fully enable USKORCOM to leverage JTE capabilities, and allow war fighters on the Korean peninsula to train as they plan to fight.

Unified Architecture

JLVC **(No Time Mgt)**

Coalition Bridge

MRF Bridge

Air
AWSIM

Ground
JCATS
JLOD

Naval
JSAF

Amphibious
MTWS

Intel
VSTARS
MUSE
ACRES

Logistics
JDLM
DESS

Special
MDST
JECS
JTDS

KSIMS **(Time Mgt)**

Air
Chang Gong

Ground
Chang Jo 21

Amphibious
Chon Ja Bong

Naval
Cheong Hae

AAR
STAAR

Logistics
CSSM

MRF-W **(Time Mgt)**

AAR
AARS
ARCHER

Special
JNEM

Amphibious
JCATS

Logistics
JDLM

Ground
WARSIM

Intel
WIM

Bridge

Benefits
- Meets Requirements
- Builds upon the Joint M&S Standard
- Updates federation w/ service supported simulations
- Most cost effective COA

Way Ahead

- 15 – 16 April: Initial Technical Planning Conference
  - Focus only on US solution
  - Goals: Finalize technical approach, develop timeline/major tasks, document KORCOM infrastructure requirements
- Remainder of FY10:
  - Continue working with Army to understand WARSIM/MRF-W architecture, scalability, capabilities and data structure
  - Install WARSIM suite in the Joint Advanced Training technologies Laboratory (JATTL)
  - Investigate JLVC architecture and JLVC federate upgrades
- 4th Quarter: US Design Conference
- 1st Quarter, FY11: US-ROK Design Conference

QUESTIONS?